

Model: HS08N Series

Features

- Universal AC input 90 - 295V AC.
- Constant Current Operation.
- Suitable for High Brightness Light-Emitting Diode products.
- Protections: OCP / SCP.
- IP67.
- Cooling by free air convection.

Approvals



Size

57*41*24 mm (L*W*H)



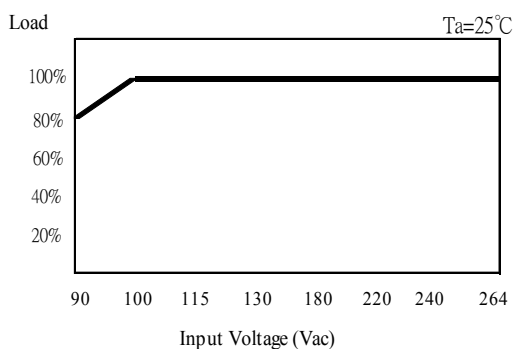
Specifications

HS08N-xxCy xx: for Output Voltage; y: for Output Current;
C: mean that Constant Current Mode

Model No.		GP-HS08N-11C	GP-HS08N-14C	GP-HS08N-21C	GP-HS08N-28C
Output	DC Voltage	11V	14.5V	21V	28V
	Constant Current Region Note.4	3 ~ 11V	5V~14.5V	10 ~ 21V	14 ~ 28V
	Rated Current	680mA	500mA	350mA	250mA
	Current Tolerance	±7%			
	Rated Power	7.48W	7.25W	7.35W	7W
	Efficiency at 240V AC(Typ.)	75%	75%	75%	78%
	Voltage Tolerance Note.3	±5%			
	Set up time (Max.)	< 1S			
Input	Voltage Range	90 – 295V AC			
	Rated Voltage	100 – 240V AC / 277V AC for North American Only			
	Frequency Range	50 Hz - 60 Hz			
	AC Current (Max.)	0.2A			
Protections	Over Current	Constant current mode protection			
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.			
Environment	Operation Temp.	-20 ~ +40°C			

	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-40 ~ +80°C
	Storage Humidity	10% ~ 90% RH
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
Safety & EMC	Safety Standards	Compliance EN61347-1,EN61347-2-13 ,IP67
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P :100M ohms / 500V DC at 25°C
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	57 x 41 x 24mm
	Packing (L x W x H)/Carton	100pcs/Carton
	Net Weight	74g
Note	1. All specifications not specially mentioned are measured at 230V AC and 25°C ambient temperature.	
	2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor.	
	3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.	
	4. Constant current operation region is within 75%~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.	

Derating Curve



Mechanical Specification

